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(71) **Applicant (for all designated States except US):** **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) **Inventors; and**

(75) **Inventors/Applicants (for US only):** **PROUET, Sébastien** [FR/FR]; Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR). **MARIE, Hervé** [FR/FR]; Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR).

(74) **Agent:** **VAN OUDHEUSDEN-PERSET, Laure**; Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR).

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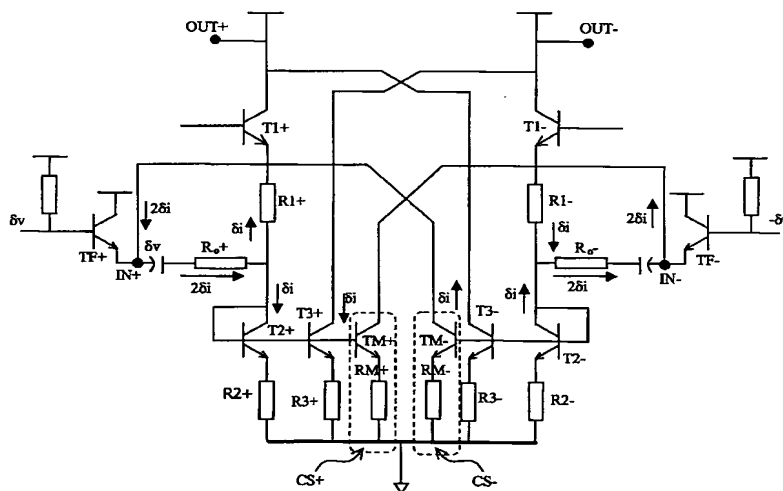
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- (54) Title:** TRANSCONDUCTANCE CIRCUIT



- (57) Abstract:** The present invention relates to a transconductance circuit intended to convert a differential input voltage, supplied as two signals to two inputs, IN+ and IN- respectively, into a differential output current. According to the invention, each of the two signals of said differential input voltage is supplied to each input, IN+ and IN- respectively, through a follower transistor, TF+ and TF- respectively, connected to said input, IN+ and IN- respectively, by its emitter and receiving said signal on a control electrode. Moreover, each of the two inputs, IN+ and IN- respectively, of the transconductance is connected to a respective current source, CS- and CS+ respectively, that is dynamically controlled by the other input of the transconductance, IN- and IN+ respectively, said current source, CS- and CS+ respectively, being such that the current supplies to each input, IN+ and IN- respectively, by said current source, CS- and CS+ respectively, eliminates current variations caused by voltage variations of the input voltage signal.



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